

I claim:

Sub A3

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1. An improved dental prostheses comprising:
an implant abutment affixed at a lower end to a dental implant,
said implant abutment having an implant abutment axis;
a groove in said implant abutment extending substantially transverse to said axis
and O-ring of elastomeric material stretched about said implant abutment and
elastically retained in said groove, said O-ring having a cross-sectional diameter substantially
greater than the depth of said groove such that an outer portion of said ring projects from said
axial implant abutment surface; and
an appliance having a retainer cavity including a retainer surface closely
telescopically matable onto said axial implant abutment surface, there being a complementary
groove in said retainer surface shaped to closely match and receive said outer portion of the O-
ring, said O-ring thus making a resilient retentive fit between said prosthesis and said implant
abutment.

Sub C1

2. The prosthesis of claim 1 wherein said implant abutment includes a tapered
surface for guiding engagement with said retainer cavity of said appliance.

3. The prosthesis of claim 2 wherein said implant abutment is threadedly connected
to said implant.

4. The prosthesis of claim 3 wherein said implant abutment is formed from metal.

Sub D4

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5. The prosthesis of claim 4 wherein said appliance is formed from metal, either
processed into a denture, partial denture, a splinted bar.

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~~6.~~ The prosthesis of claim 5 wherein said appliance is formed from porcelain fused to metal.

~~7. An implant dental prosthesis comprising:
an implant abutment affixed at a lower end to a dental implant,
said implant abutment having an implant abutment axis, and an appliance having
a hollow retainer cavity with an outwardly and downwardly taper relative to said
implant abutment axis forming a retainer surface telescopically mateable on and upwardly and
inwardly extending facing tapered surface on said axial implant abutment.~~

~~8. The prosthesis of claim 7 wherein said tapered surfaces are in frictional engagement.~~

~~9. The prosthesis of claim 8 wherein said retentive element between said mating tapered surfaces.~~

~~10. The prosthesis of claim 9 where said retentive element is in a plane generally transverse to the axis of said implant abutment.~~

~~11. The prosthesis of claim 10 wherein said retentive element is an O-ring in complementary grooves in said tapered surfaces.~~

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